

Product application checklist

Please complete in BLOCK CAPITALS

Compressed Air Equipment: Flow controllers

Manufacturer/supplier name:

ETL licence number (if applicable):

Applicant's name:

Telephone number:

Product information

Product name:

Model number:

Please complete each section of this form based on your product's characteristics. Incomplete or incorrect data could affect the processing of your product application.

Each product application should be made on a separate form unless a product's design characteristics are common to all the products. In this instance a single application can be made for multiple products.

1.	Product certification	No	Yes
1.1	Is your product CE Marked?		
1.2	Does your product conform to the requirements of EU Pressure Equipment Directive (PED) 97/23/EC in respect of its design, manufacture and testing procedures?		

2.	Product features	No	Yes
2.1	Does the product incorporate: <ul style="list-style-type: none"> a) A microprocessor based controller? b) An anti-tampering mechanism (for example password protection) that prevents automatic control from being disabled, except during commissioning, maintenance or testing? c) A pressure transducer that has a measurement accuracy of at least (i.e. \leq) $\pm 0.5\%$ of full scale output across its rated operating pressure range and across a rated temperature range of -25 to 80 degrees Centigrade? d) One or more precision control valves and associated valve positioning devices that do not vent more than 10 standard litres per minute (SLPM at 20 degrees Centigrade) of compressed air to atmosphere during normal operation? 		
2.2	Is the product pre-programmed to provide the facilities for users to: <ul style="list-style-type: none"> a) Define the downstream air pressure set point in intervals not exceeding 0.1 bar? b) Calibrate the operation of the product's control valve(s) and associated valve positioner(s) to ensure correct operation across the product's turn down range? c) Tune the controller operation to eliminate controller hunting, minimise valve overshoot, and compensate for valve hysteresis and/or stiction? 		

2. Product features (continued)		No	Yes
2.3	Is the product able to automatically regulate the air pressure downstream of the product, to within +/-0.1 bar of a set-point, across a minimum turn down range of 5:1, as air demand varies between the product's minimum and maximum rated air flows?		
2.4	Is the product programmed to automatically reset to automatic control within 24 hours of a temporary override?		
2.5	Does the product incorporate facilities to directly control the operation of air compressors? <i>Please note: Products that incorporate facilities to directly control the operation of air compressors are not eligible.</i>		

3. Summary of documents to be included		No	Yes
----------------------------------------	--	----	-----

Please send ONE copy of each of the following documents:

If the relevant information in support of the questions above is contained within a larger document, please indicate the location of the relevant information. Note that all documentation submitted must directly refer to the model numbers for which you are making this application. Documentation should be added to your online application at <https://etl.decc.gov.uk>.

- a. A technical sales brochure or leaflet for the product clearly summarising:
 - i) The key features of the product (ideally including photographs of the product's exterior).
 - ii) The product's operation (i.e. in-built functionality) and intended applications (i.e. usage).
 - iii) Any product selection options (including optional extras, alternative configurations etc.).

This documentation should contain sufficient detail to enable the assessor to confirm that the proposed entry on the Energy Technology Product List (ETPL) is correct, and uniquely represents a single product of fixed design (as defined by the rules of the ECA Scheme). If the model names contain any 'wildcards' in respect of cosmetic variations please check with ECA Questions that this is permitted before submitting your application.

- b. A technical specification for the product, including:
 - i) Details of the model numbers covered (including individual features of each model).
 - ii) The product's design ratings (electrical, mechanical, thermal, flow rates, energy use etc.).
 - iii) A description of how to install the product including connection/wiring diagrams. Where the product must be assembled, configured and/or commissioned on site before use, please include instructions.

This documentation should contain sufficient detail to enable the assessor to confirm that each product entry on the Energy Technology Product List (ETPL) has the design features specified in the eligibility criteria for that category of product. Please indicate on the checklist where information on specific design features is located in the documentation.

- c. Please ensure that this documentation includes details of:
 - i) The product's control input/output signals, and requirements for sensors or control valves.
 - ii) The product's automatic control strategies, mechanisms, and configuration settings.
 - iii) The anti-tampering mechanism used to prevent automatic control from being disabled.

- d. A Declaration of Conformity with EU Directives on product safety, including:
 - i) CE Marking Directives.
 - ii) EU Pressure Equipment Directive PED 97/23/EC.

- e. Evidence that a quality assurance system/procedures is/are in place to:
 - i) Control the specification, design, manufacturing and testing of the products.
- f. Signed application checklist.

Please note that all product documentation provided must be written in, or translated into, English.

4. Declaration

I confirm that the information given above is correct to the best of my knowledge and that I have read and agree to the terms and conditions governing the management of the Enhanced Capital Allowance Energy Technology List (ETL).
A copy of the terms and conditions can be found at <https://www.gov.uk/guidance/energy-technology-list>

Signature: Date:

For more information:

Web:
<https://www.gov.uk/guidance/energy-technology-list>

Phone:
0300 3300657

Email:
ECAQuestions@carbontrust.co.uk

Post:
Energy TL Coordinator,
ICF,
6th floor,
Watling House,
33 Cannon Street,
London, EC4M 5SB

Whilst reasonable steps have been taken to ensure that the information contained within this publication is correct, the Carbon Trust, its agents, contractors and sub-contractors, and the Government give no warranty and make no representation as to its accuracy and accept no liability for any errors or omissions.

Any trademarks, service marks or logos used in this publication are the property of the Carbon Trust or Government. Nothing in this publication shall be construed as granting any licence or right to use or reproduce any of the trademarks, service marks, logos, copyright or any proprietary information in any way without the Carbon Trust's prior written permission. The Carbon Trust enforces infringements of its intellectual property rights to the full extent permitted by law.

The Carbon Trust is a company limited by guarantee and registered in England and Wales under Company Number 04190230 with its Registered Office at: 4th Floor, Dorset House, 27-45 Stamford Street, London SE1 9NT. The Enhanced Capital Allowance Scheme for energy saving equipment is run by the Carbon Trust on behalf of Government.

Published in the UK: June 2017.

ECA756 v12